

Title (en)

VALVE DEVICE FOR VENTILATING AND/OR VENTING A TANK FOR A MOTOR VEHICLE, AS WELL AS TANK SYSTEM FOR A MOTOR VEHICLE

Title (de)

VENTILVORRICHTUNG ZUR BELÜFTUNG UND/ODER ENTLÜFTUNG EINES TANKS FÜR EIN KRAFTFAHRZEUG SOWIE TANKSYSTEM FÜR EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE TYPE SOUPAPE POUR VENTILER ET/OU AÉRER UN RÉSERVOIR POUR UN VÉHICULE À MOTEUR, AINSI QUE SYSTÈME DE RÉSERVOIR POUR UN VÉHICULE À MOTEUR

Publication

EP 3490834 A1 20190605 (EN)

Application

EP 17749668 A 20170727

Priority

- DE 102016009263 A 20160728
- EP 2017068995 W 20170727

Abstract (en)

[origin: WO2018019933A1] The invention relates to a valve device (24) for ventilating and/or venting a tank for a motor vehicle, having at least one ventilation opening (12), via which the tank is to be ventilated and/or vented, wherein the ventilation opening (12) is provided with a valve seat (14) and with a valve ball (20), wherein the valve ball (20) is movable between a closed position in which it blocks the ventilation opening (12), wherein the valve ball (20) is seated on the valve seat (14), and at least one open position, which at least partially opens the ventilation opening (12), as a result of movements of the valve device (24), wherein the valve seat (14) is arranged in a plane which runs obliquely with respect to the vertical (26) in the installation position of the valve device (24).

IPC 8 full level

B60K 15/035 (2006.01); **F16K 17/36** (2006.01)

CPC (source: EP)

B60K 15/03519 (2013.01); **F16K 17/194** (2013.01); **F16K 17/366** (2013.01); **F16K 24/04** (2013.01); **F16K 24/06** (2013.01)

Citation (search report)

See references of WO 2018019933A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018019933 A1 20180201; DE 102016009263 A1 20180201; EP 3490834 A1 20190605; EP 3490834 B1 20200909

DOCDB simple family (application)

EP 2017068995 W 20170727; DE 102016009263 A 20160728; EP 17749668 A 20170727